

From boatanchors@sco.theporch.com Thu Apr 24 07:14:40 1997
From: williams@snowhill.com
Subject: 12AT7 Sub in V506
Message-ID: <335E77B6.6141@snowhill.com>

Checked my tubes, had one 12AT7, and did try it in both R-390As. Both showed better sensitivity to my ears on weak DX targets on 1.610. Oddly, the weaker of the two radios showed dramatic improvement and the hot Motorola showed the least. Put a new 5814A in the weak radio with no improvement over the old 5814A that was in V506.

As to meters, one radio has the original black meters with luminous markings. The other has the white dial faces with black markings and the Carrier is marked in db's. Luckily, all work. The white Line Level meter has \$25 written on it in marker.

Somebody said they used a lube that worked best under gear pressures. Was it Power Lube? Need the name of this good stuff and where you got it.

Barry

From boatanchors@sco.theporch.com Thu Apr 24 07:14:40 1997
From: Tom Taylor <ttaylor@Adobe.COM>
Subject: 1974 Prices
Message-ID: <v03007802af84a7485f9a@[144.7.22.33]>

I was looking through some old documentation on my bookshelf and found a new/used price list from a amateur radio company in the 70's. Unfortunately, the name of the company isn't printed on the typed sheet. However, the sheet is signed by "Wade W0BC."

The price list is dated April, 1973. It's interesting to look at the prices. Newer gear at the time was the most expensive. Old AM gear was dirt cheap. In general, Collins prices for most pieces are about the same now as they were then (except for the AM stuff):

75A-1	\$139
75A-2	\$189
75A-3	\$219
75S-1	\$295
75S-2	\$349
75S-3	\$395
75S-3B	\$495
32-V 1-2-3	\$99
32S-1	\$449
32S-3	\$695

30L-1	\$489
KWM-1	\$195
KWM-2	\$795

Drake prices are half as cheap now as they were in 1974:

2-B	\$179
R-4B	\$349
T4X-B	\$369
TR-3	\$359
TR-4	\$449

Hallicrafters sampling:

HT-32B	\$289
HT-37	\$189
SR-400	\$595
SR-2000	\$995
SX-115	\$249

Hammarlund prices seem about the same as today's prices:

HQ-110	\$129
HQ-140	\$89
HQ-170A	\$249

Heathkits are somewhat cheaper today:

DX-40	\$29
DX-60	\$69
HW-100	\$179
SB-101	\$295
SB-301	\$189
SB-401	\$209

The real deals in 1973 were with Johnson gear. I wish I had bought a boatload of this stuff when I was in the 9th grade:

Ranger	\$69
Valiant	\$99
Viking 500	\$149
Pacemaker	\$99
Invader	\$169
Thunderbolt	\$195

National stuff seems about the same as today:

NC-270	\$99
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NC-183 \$129
NC-300 \$139

Swan gear, like Drake, seems about twice as much then as now:

SW-250C \$289
SW-350C \$299
SW-500C \$329

I thought the prices were an interesting look at what was hot and what was not in 1973. I bet that not a lot of people in 1973 would have predicted the high value of the old AM equipment in the late '90's. I guess if prices of old gear remain approximately constant (as many of them have since this 1974 snapshot), we can't consider our boatanchors much of an investment :-)

Tom Taylor, N7TM

Tom Taylor
ttaylor@adobe.com

From boatanchors@sco.theporch.com Thu Apr 24 07:14:40 1997
From: Ronnie Hull <larebel@ms1.nwla.com>
Subject: 4CX300Y Specs
Message-ID: <1.5.4.16.19970423214803.0baffb66@ms1.nwla.com>

can someone give me the stats on a 4cx300y? What would a pair of them in grounded grid give you? Plate Voltage? Current?

Ronnie

```
-----  
| Ronnie Hull - W5SUM ex-WB5AIA |  
| 3131 Meadow Parkway dr. |  
| Shreveport, La 71108 |  
| |  
| 318-688-1389 318-687-3135 Fax |  
| 10X - 2019 "try ten meters!! " |  
| |  
| looking for a Johnson 500 |  
| (go ahead and snicker!! ) |  
-----
```

From boatanchors@sco.theporch.com Thu Apr 24 07:14:40 1997

From: Karl-Arne =?ISO-8859-1?Q?Markstr=F6m_08?= 6017171
Subject: Re: 4CX300Y Specs
Message-ID: <D157IUS1Z49B*/R=A1/R=MRGST/U=KAM/@MHS.stoa.mobile.telia.se>

W5SUM wrote:

^can someone give me the stats on a 4cx300y? What would a pair of
^them in grounded grid give you? Plate Voltage? Current?

a

^Ronnie

The 4CX300Y is a version of the 4CX300A with higher plate dissipation, 400 W, otherwise it is very similar.

Shortform data:

Wa(max)	400 W
Wg2 (max)	12 W
Wg1 (max)	1 W
Ua (max)	2000 V
Ug2 (max)	400 V
Ia (max)	400 mA

Typical CCS operation:

AB1 RF linear amplifier, grid driven, two tubes in parallel,

Ua	2000 V
Ug1	-65 V
Ug2	400 V
Ia	400 mA
Pout	830 W
Rload	1300 ohms

I expect that ICAS ratings would permit at least a kW output with reasonable linearity.

This family of beam tetrode tubes was designed for grounded-cathode, grid-driven operation, and will not give good performance in the usual grounded-grid configuration where g1 and g2 are tied together to ground. It is quite easy to damage the control grid of these tubes by excessive grid current in cathode-driven circuits.

If cathode driven operation is desired, a more complicated circuit, where the control and screen grids are bypassed to ground and fed with proper DC voltages relative to the cathode, would be necessary for optimum performance.

Good guidance material for the grounded-grid amplifier designer can be found in:

Bill Orr's (W6SAI) Radio Handbook
Single Sideband Principles and Circuits
Care and Feeding of Power Grid Tubes

Hope this helps

73/

Karl-Arne Markstrom
SM0AOM

kam@stoa.mobile.telia.se

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997
From: Clark Thompson <cmthomp1@facstaff.wisc.edu>
Subject: 75A4 filter problem continued
Message-ID: <335E64EE.271F@facstaff.wisc.edu>

Hi everyone,

First of all, thanks very much to all of you who responded with helpful suggestions about my filter problem-- I've learned a lot! Now for some good news: I was able to test the F455J05 in another 75A4 and in the second receiver there was very little difference in signal strength between the filters. Signals on the .5 filter were down only 2-3 dB from the 3.1 filter-- pretty acceptable in my book. So that left me wondering what the story was with my A4. My first thought was the 100 pF matching caps on the inputs and outputs of the filters. HOWEVER, Grant, NQ5T, came up with the simple possibility of dirty contacts. He had a 2.1 kHz filter do the same thing and he cured it with some DeOxit. I'm at work now (on a break!) and I'm anxious to get home and try this easy possible fix. In any case, apparently I didn't get a bum filter after all and the problem lies somewhere in my A4. I'll make a post when I get to the bottom of this!

73,

Clark, KD9QI

cmthomp1@facstaff.wisc.edu

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997
From: k9gdt@juno.com (George P Sieverson)
Subject: Re: 75A4 filter problem continued
Message-ID: <19970423.174456.3910.0.K9GDT@juno.com>

Hi Clark,

I'm happy to hear your expensive filter is OK. That's great news!
Grant's suggestion is excellent. I needed to use DeOxit on my "new"
75A-4 to clear up noise, intermittents and losses.

Reading your post reminded me of a BIG problem I had with my 'A4.
Many of those red postage stamp mica capacitors were leaky or had shifted
in value. As I recall, these capacitors were also used to terminate the
mechanical filters.

If DeOxit doesn't cure the problem, try switching filters to verify that
the loss is associated with a certain selectivity position. If it is,
you may have a bad mica capacitor.

Gotta go now...getting my boat ready for a trip to the lower Dells
tomorrow!

Good luck! Keep us posted.

73 'n cheers 'n beers,
George

George Sieverson - Barrington, IL USA
K9GDT@STARNETUSA.NET or K9GDT@JUNO.COM
<http://pwp.starnetinc.com/k9gdt/index.htm>
(Radio Page - BA's & Homebrew only)

On Wed, 23 Apr 1997 19:39:36 GMT Clark Thompson
<cmthomp1@facstaff.wisc.edu> writes:
>...I was able to test the F455J05 in another 75A4 and in the
>second receiver there was very little difference in signal strength
>between the filters.....
>.....My first thought was the 100
>pF matching caps on the inputs and outputs of the filters.
>
> HOWEVER, Grant, NQ5T, came up with the simple possibility of dirty
contacts.....
>

>Clark, KD9QI
>
>cmthomp1@facstaff.wisc.edu
>

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: Mail List Owner <listown@jackatak.theporch.com>
Subject: ADMINISTTRIVIA: Changing Email Addresses
Message-ID: <9704241115.aa01654@jackatak.theporch.com>

Gang-

This periodic post is intended to help subscribers whose ISP (InterNet Service Provider) has made a change without advising their customers of the potential impact of that change on subscribers to email lists like the boatanchors, where one must be a subscriber to post to the list.

Under some circumstances, the changes to your email address are "transparent" to you, but prevent posting. I get error notification for these kinds of problems, and I try to work them out. However, I may miss one, and on this end, the process is anything BUT automatic.

You have a bigger stick than I do. You and your ISP have the primary responsibility to repair the problems caused by the change at the ISP. I have zero leverage with your ISP, and you have great leverage.

Most ISP maintain a customer service department to help with problems like these. This should be your first line of support for email problems. I am happy to assist and consult, but try to understand that when your ISP makes a change to their email handler, and that change prevents you from posting to the boatanchors list, I can help, but resolving this problem is your responsibility, working with your ISP. I am but a volunteer, contributing my time to administer the list.

Thank you for your attention.

--

73

Jack, W4KH/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)
- - - BoatAnchor Mailing List Archiver/Owner - - -
listown@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"

From boatanchors@sco.theporch.com Thu Apr 24 07:14:40 1997
From: "Lloyd A. Scott, Jr." <wpul1130@concentric.net>
Subject: AN/GRC-109 Radio

Message-ID: <335ED01B.62C6@concentric.net>

Greetings: I am looking for a Tech Manual for the AN/GRC-109. I would like an original if possible. Many Thanks
73's
Lloyd

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997
From: "Bob Duckworth" <wb4mnf@atl.org>
Subject: anyone still looking for Litz wire?
Message-ID: <199704240014.UAA02179@atl.org>

I recalled some laments when I saw the following ad for

Dong Hyeong Magnet Wire Co., Ltd.

TRANSFORMER

MAIN PRODUCTION:

Oleo-Resinous Series, Polyvinyl Formal Series,
Polyurethane Series,
Polyester Series, Polyester Imide Series, Polyimide
Series,
Nylon Over Coated Series, Litz Series,
Various Kinds of Transformers for Microwave Ovens,
Elevators(H.V.T.,L.V.T.)
Solenoids for Refrigeraters and Electric Ranges,
Washing M/C Introduction Coils,
Potential Coils for Watt Hour Meter.

ADDRESS: Samduk Bldg, 131, Da-dong, Chung-ku, Seoul, KOREA.

TEL: 82-2-776-7173

FAX: 82-2-1909

-bob
wb4mnf

From boatanchors@sco.theporch.com Thu Apr 24 07:14:40 1997
From: Mike Maloney <ac5p@ionet.net>
Subject: Anyone use EICO 950B?
Message-ID: <199704240245.VAA25671@mail.ionet.net>

Does anyone have experience with this unit for testing caps that could comment on its practical value and how it basicly operates?

Anyone have a manual copy?

Tks es 73/Mike POB 33, Bartlesville,OK 74005

From boatanchors@sco.theporch.com Thu Apr 24 07:14:40 1997
From: Ronnie Hull <larebel@ms1.nwla.com>
Subject: ARC5 questions
Message-ID: <1.5.4.16.19970423212201.1c0f19c0@ms1.nwla.com>

```
-----  
| Ronnie Hull - W5SUM ex-WB5AIA |  
| 3131 Meadow Parkway dr. |  
| Shreveport, La 71108 |  
| |  
| 318-688-1389 318-687-3135 Fax |  
| 10X - 2019 "try ten meters!! " |  
| |  
| looking for a Johnson 500 |  
| (go ahead and snicker!! ) |  
-----
```

From boatanchors@sco.theporch.com Thu Apr 24 07:14:40 1997
From: Ronnie Hull <larebel@ms1.nwla.com>
Subject: ARC5 questions
Message-ID: <1.5.4.16.19970423212418.19b7fabcb@ms1.nwla.com>

sorry this first one went out blank... dead braincells..

anyway, a while back there were postings concerning the many different ARC5 recievers. What is an R13? Its b uilt along the lines of the ARC5 series, but much shorter. What frequency did it cover?

Ronnie

```
| Ronnie Hull - W5SUM  ex-WB5AIA      |
| 3131 Meadow Parkway dr.            |
| Shreveport, La 71108                |
|                                     |
| 318-688-1389  318-687-3135 Fax      |
| 10X - 2019 "try ten meters!! "     |
|                                     |
| looking for a Johnson 500           |
| (go ahead and snicker!! )          |
|-----|
```

From boatanchors@sco.theporch.com Thu Apr 24 07:14:40 1997
From: Al Klase <skywaves@bw.webex.net>
Subject: Re: ARC5 questions
Message-ID: <335F6C99.5C8C@webex.net>

Ronnie Hull wrote:

```
>
> sorry this first one went out blank... dead braincells..
>
> anyway, a while back there were postings concerning the
> many different ARC5 recievers. What is an R13? Its b uilt
> along the lines of the ARC5 series, but much shorter. What
> frequency did it cover?
>
```

R-13, 108-135 MC AM, continuous tuning, no dial on radio.

--

Al Klase - N3FRQ
skywaves@bw.webex.net
Flemington, NJ

From boatanchors@sco.theporch.com Thu Apr 24 07:14:40 1997
From: Jim Garland W8ZR <4CX250B@miavx1.acs.muohio.edu>
Subject: Associated Radio
Message-ID: <v03007809af84e8cdddee@[134.53.65.12]>

```
>I was looking through some old documentation on my bookshelf and found a
>new/used price list from a amateur radio company in the 70's.
>Unfortunately, the name of the company isn't printed on the typed sheet.
>However, the sheet is signed by "Wade W0BC."
>
```

Tom,

Wade, W0BC, was the owner of Associated Radio in Overland Park, Kansas, a suburb of Kansas City. It is my understanding that he retired and sold the company a couple of years ago, and it is still in business. Wade used to deal extensively in used Collins gear and sold large quantities of S-line radios, 75A4, etc., to Japanese buyers. For many years his advertising flyers had a photo of a wall of used collins gear in his store.

Wade was a friendly, flamboyant, fast-talking person, who had a tendency to think that the customer was always wrong. I was in his store, once, when he refused to refund the money for a new unopened radar detector which a customer had purchased the day before, and was returning because his wife had given him an identical one as a present. Around K.C., Wade's detractors called him W 0 "Big Crook." On the other hand, Wade would wheel and deal with the best of them, and an astute shopper could frequently walk away with a bargain. I remember buying a new speech processor board for my KWM-380 on "close-out" for \$75.

73,

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997

From: Terry Pridgen <pridgent@pinn.net>

Subject: BA Radios For Sale

Message-ID: <Pine.SUN.3.91.970423214027.12016A-100000@everest.pinn.net>

This is being posted for a friend who has the following receivers for sale:

Hallicrafters SX-42 (w/manual) \$400.00

Hallicrafters SX-110 (w/speaker) \$150.00

Hammarlund 110AC VHF \$275.00

Hammarlund 170 \$275.00

All this equipment has been tested and is in great shape. Price negotiable if all four receivers are purchased. Prices do not include shipping. Both Hammarlunds look better than any I've seen. For additional details, call Jim at (757) 481-6228 after 6PM EST.

73, Terry

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: "Rhett T. George" <rtg@ee.duke.edu>
Subject: Battery Recycle
Message-ID: <199704241628.MAA10251@washington.ee.duke.edu>

- Greetings -

Lee Hart asked a good question, "(why do people save old car batteries, anyway)?"

In the Durham-Raleigh area of North Carolina, I can take an old battery to an auto parts store and get \$1 for it. If I keep it until I need a new one, it is then a \$5 trade-in. Big question, how do these allowances compare around the USA and the world? I know your mileage may vary.

Rhett George

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997
From: Nathalie Guibert <nguibert@middletown.total.net>
Subject: BC456 MOD 2 (RCAF)
Message-ID: <1.5.4.16.19800103114045.1c3f1388@middletown.total.net>

MOD 1 meant that it could be dropped from
a B17, but us Canadian (Royal Canadian Air Force)
dropped them from Lancasters, then we added
the notation Mod 2 on the survivors.
Andre Guibert (ex Lanc/Mossy RCAF)

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997
From: John <johnmb@mindspring.com>
Subject: Re: Black beauties and Johnson Power Pot???
Message-ID: <199704232009.QAA26268@brickbat8.mindspring.com>

At 04:34 PM 4/23/97 GMT, you wrote:

>I recall discussions in the past couple of years from folks looking
>for that huge (but not enormous :<)) power pot used to set the voltage
>on some part of some transmitter. I seem to recall it was some
>version of Johnson rig.

I think this is the DRIVE pot...which, if I remember right, is
4 watts, 25K? I can double check when I get home...

John (at work)

+-----

| John Brewer- WB50AU/4
| AMI #24 Vintage Radio Website
| <http://www.mindspring.com/~johnmb/>
+-----

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997
From: RIlowite@aol.com
Subject: Re: BRISTO Wrenches
Message-ID: <970423130345_906870540@emout09.mail.aol.com>

Rob: You are asking for the wrong item. The correct spelling is BRISTOL. Go to any retail or wholesail tool distributor and ask for the small sizes package of Bristol wrenches. These sizes will fit all the radios including military that you will encounter.
Regards; Ralph;; W2GKG

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997
From: "Morton L. Denison" <mdenison@postoffice.ptd.net>
Subject: Capacitor Checker
Message-ID: <335E6AEF.13F8@mail.ptdprolog.net>

Would a Heath IT-22 capacitor tester be a good choice for boatanchor work? Or would there be a more suitable boatanchor type I could find/use?

Thanks for any info.

Mort Denison

From boatanchors@sco.theporch.com Thu Apr 24 07:14:40 1997
From: "Walt Novinger" <waltn@earthlink.net>
Subject: Re: Capacitor Checker
Message-ID: <199704240446.VAA11035@norway.it.earthlink.net>

Mort,

The best cap tester I've found is the Sprague Telohmike T0-5, T0-6, or T0-6A, in increasing order of preference. It will check for leakage at up to 600+ volts, and tests every kind of cap you're likely to find in BA land. Highly recommended, these units frequently find their way to swap meets and the like. Wouldn't sell mine for love nor money.

Walt

> From: Morton L. Denison <mdenison@postoffice.ptd.net>
> To: Multiple recipients of list <boatanchors@sco.theporch.com>
> Subject: Capacitor Checker
> Date: Wednesday, April 23, 1997 2:02 PM
>
> Would a Heath IT-22 capacitor tester be a good choice for boatanchor
> work? Or would there be a more suitable boatanchor type I could
> find/use?
>
> Thanks for any info.
>
> Mort Denison

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: "Morton L. Denison" <mdenison@postoffice.ptd.net>
Subject: Capacitor Checker - Sprague T0-5, T0-6 or T0-6A
Message-ID: <335FA3C7.BF0@mail.ptdprolog.net>

Anybody have one of the above capacitor checkers in good shape that'd like to part with? Manual's a plus. Or maybe a source?

Thanks,

Morte Denison

From boatanchors@sco.theporch.com Thu Apr 24 07:14:40 1997
From: Ronnie Hull <larebel@ms1.nwla.com>
Subject: Cleanout II
Message-ID: <1.5.4.16.19970423211739.2eff3f96@ms1.nwla.com>

okay fellas... geez, what a response. I started on the list tonight. Lots of small stuff this time, variables and rotor inductors and such... gonna take some time. Ya'll be patient...

I have made a special folder in my mail program. I have kept the E-mail address of everyone of you that has written and requested a list. I will send them all out at the same time, probably sometime this weekend. It will be first come first serve. I'm always open for trading too. Long as I can keep straight with my Elmer pard!

anyone want a 100' freestanding commercial tower? I know where one is... you get it, you haul it...

Ronnie

```
-----  
| Ronnie Hull - W5SUM  ex-WB5AIA |  
| 3131 Meadow Parkway dr.      |  
| Shreveport, La 71108        |  
|                               |  
| 318-688-1389  318-687-3135 Fax |  
| 10X - 2019 "try ten meters!! " |  
|                               |  
| looking for a Johnson 500     |  
| (go ahead and snicker!! )    |  
-----
```

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997
From: Ronnie Hull <larebel@ms1.nwla.com>
Subject: Cleanout part II
Message-ID: <1.5.4.16.19970423182048.26cfe224@ms1.nwla.com>

Some of you may remember but last october I assisted an elderly
amateur in cleaning out his shack and out buildings.

After 5 months, we got started on haul number #2.

This is mainly parts, but some old military stuff, nice NC183 (pretty)
Heath VHF scanner, Heath Sixer (still has a crystal in it!) some manuals,
some UTC and STancor xfirmrs, etc etc.

It will take me a day or two to put a list together, then I will
put a note here. It will be too lengthy to put on this list, so
I will E-mail it to you fellas that are interested.

and there is 3 or 4 truckloads of it left..

Ronnie

```
-----  
| Ronnie Hull - W5SUM  ex-WB5AIA |  
| 3131 Meadow Parkway dr.      |  
| Shreveport, La 71108        |  
|                               |  
| 318-688-1389  318-687-3135 Fax |  
| 10X - 2019 "try ten meters!! " |  
|                               |  
| looking for a Johnson 500     |  
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-----
```

From boatanchors@sco.theporch.com Thu Apr 24 07:14:40 1997
From: Sandra L Knepper <slkst29+@pitt.edu>
Subject: Collins - DX Engineering Speech Processor
Message-ID: <Pine.GS0.3.95L.970411223732.13320F-100000@unixs5.cis.pitt.edu>

I have in my possession both of the instruction booklets for the LC-1 (KWM-2 usage) and the LC-1-32S (32S transmitter usage) that explain fairly well the theory and operation of the speech processor. As some of you may know, these units were manufactured by DX Engineering, 1050 E. Walnut, Pasadena, CA 91106 sometime in the 70's.

I am interested in doing an article for the monthly Collins Journal about these units but have never seen anything in print concerning the "history" of this company. I would like to get some background information on the firm if anyone has such information: What did they cost new and where did the firm advertise their product? Any assistance would be greatly appreciated. I probably just overlooked earlier source material published somewhere on these units!

Thank you. See you at flea market spot #2317 at Dayton.

Dave, W3BJZ
Publisher of the monthly Collins Journal

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: Glenn Finerman <GFINER@nms.com>
Subject: Collins Receiver for sale
Message-ID: <s35f2760.077@nms.com>

FOR SALE = Collins 75S3-B receiver. Excellent condition. Winged emblem, very clean. Very small / light scuff mark next to headphone jack, otherwise perfect front panel. No missing paint, dents, or scratches. Outside cabinet has some very light marks. Checked out last night, working perfectly on all bands. Includes manual photocopy. \$475 including UPS ground shipping.

73.....Glenn N2BJG gfiner@nms.com

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997
From: k7sz@juno.com (Richard H. Arland)
Subject: CPRC-510/RT-5010 info needed

Message-ID: <19970423.215346.10655.3.k7sz@juno.com>

Gang:

Just got off the fone with Dennis Starks from Missouri who puts out a HUGE MIL-BA want/trade list. He has a Canadian CPRC-510/RT-5010 low band VHF FM set for sale for \$45. It lacks the 8.33 mc "calibration xtal".

Anyone know anything about this set? Anyone done any business with Dennis? Is the rig tuneable or is it strictly xtal controlled? What does it take for power/batterys?

73 rich K7SZ

PS: Called Dennis looking for a PRC-10.....he steered me to this unit.

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997

From: BRICKEY_PETER@Tandem.COM

Subject: Crystal lattice filters

Message-ID: <199704231016.AA30521@POST.TANDEM.COM>

Hi;

I seem to remember that there was some discussion on where to buy crystal lattice filters a while back. I need a 6KC filter for a 9Mc IF (galaxy receiver) and was wondering if there were any suppliers around.

73's Peter

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997

From: anders@autopsy.corp.sgi.com (Greg Anders)

Subject: Displaying IF Bandwidth on Scope...

Message-ID: <9704231005.ZM19128@autopsy.corp.sgi.com>

I'm wondering if anyone on the list has experience or recommended technique for displaying the actual bandpass of a receiver IF using a scope and sweep generator. I'm getting ready to do this on several receivers and would appreciate any hints or references to any known "gotchas". I have very accurate technical documentation on what the IFs should look like on my AR-88 and would like to get it working to spec.

Thanks,

--

Greg Anders

"If at first you don't succeed.....then skydiving is not for you"

anders@autopsy.corp.sgi.com
KG6YV

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997
From: Al Klase <skywaves@bw.webex.net>
Subject: Re: Displaying IF Bandwidth on Scope...
Message-ID: <335E7B58.1CDF@webex.net>

Greg Anders wrote:

>

> I'm wondering if anyone on the list has experience or recommended
> technique for displaying the actual bandpass of a receiver IF using a scope
> and sweep generator. I'm getting ready to do this on several receivers and
> would appreciate any hints or references to any known "gotchas". I have
> very accurate technical documentation on what the IFs should look like on
> my AR-88 and would like to get it working to spec.
>

Most vintage test equipment does a pretty poor job of sweeping an IF as you suggest. The sweep rate needs to be really slow, on the order of 1Hz, to see the shape of a CW type filter. This means the scope, or your eyes, need long persistence. Also, to see the "real" shape of the filter, or to observe the rejection notch on a xtal filter, you need to use a logarithmic detector between the rx and the scope. This gets you a display in dB rather than volts.

There were some articles in Ham Radio magazine that discussed this some years ago. They included construction of an appropriate sweeper and detector. (Solid state though.) I'll dig up the references if people are interested.

--

Al Klase - N3FRQ
skywaves@bw.webex.net
Flemington, NJ

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997
From: vancleef@netcom.com (Henry van Cleef)
Subject: Re: Displaying IF Bandwidth on Scope...
Message-ID: <199704232245.QAA02666@netcom5.netcom.com>

As Al Klase discourses

>

> Greg Anders wrote:

> >

> > I'm wondering if anyone on the list has experience or recommended
> > technique for displaying the actual bandpass of a receiver IF using a scope
> > and sweep generator.

> >

> Most vintage test equipment does a pretty poor job of sweeping an IF as
> you suggest. The sweep rate needs to be really slow, on the order of
> 1Hz, to see the shape of a CW type filter. This means the scope, or
> your eyes, need long persistence. Also, to see the "real" shape of the
> filter, or to observe the rejection notch on a xtal filter, you need to
> use a logarithmic detector between the rx and the scope. This gets you
> a display in dB rather than volts.

>

Some of these issues (bandwidth, accuracy of vertical response) were
confronted (and not solved) by the Pentrix spectrum analyzers that
became Tek and were sold in the sixties and seventies. There isn't
any way around slowness except to use P7 phosphor CRT, a storage
scope, or a digital scope.

The traditional method (late 30's) for displaying bandwidth using a
scope and voltage_controlled sweep generator was to make the scope
STRICTLY a qualitative device, using a marker generator to show
frequency offsets, and doing a separate calibration of the vertical.
Generally, using an RCA 158 scope (6D6's inside) and a home brew sweep
generator, you used an AC source off the power transformer both to
sweep the signal and do horizontal deflection. Sweep, of course, is
sinusoidal rather than linear, but the differentials of sweep
frequency and horizontal deflections are (approximately)
constant---what changes is the rate of change over time----that is
sinusoidal.

A 1 mhz marker signal mixed with the drive signal will give clear
"gizzits" every 1 Mhz. If you want to work at 455, use something more
like 1 Khz. The gizzits will show you the actual deviation----you
don't have to read it off the graticule marks. Major issue here is
the linearity of the sweeper.

For vertical, most scopes give you linear response, so you get to see it in those terms. Considering that the points of interest are generally at 3 and 6 db (2X, 10X) it's fairly easy to pick those points off the display. If you want to deal with non-gaussian rolloff characteristics, you've got more work----but a sheet of semilog paper and a pencil and some French curves are a lot quicker, cheaper, and more reliable than electronic conversions, unless you are doing it regularly in production.

--

=====
Hank van Cleef
E-mail vancleef@netcom.com or vancleef@tmn.com
=====

From boatanchors@sco.theporch.com Thu Apr 24 07:14:40 1997
From: kilgore@dev.tivoli.com
Subject: Drake MN-2000 tuner
Message-ID: <199704240305.WAA01545@wichita.dev.tivoli.com>

A friend of mine is sending me a Drake MN-2000, but is not sure what it is worth. It is in good to very good condition, and has the original manual. If anyone can advise me on what this is worth, I would appreciate it, as I want to give him a fair price for it.

73,
Jeff Kilgore, KC1MK

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997
From: "Walter L. Marshall" <wmarshall@CapAccess.org>
Subject: FS Call him not me
Message-ID: <Pine.SUN.3.91-FP.970423185704.29552A@cap1.capaccess.org>

FOR SALE: RAL-8,pre-ww2 USN regenerative receiver,with
manual. Frequency: 0.3 to 23 mc. Sell nearby, weighs 110 lb (69+41).
\$100 Cliff Sinclair w4bmc@mindspring.com Birmingham, Al.(205)
822-8668.
cliff sinclair W4BMC <w4bmc@mindspring.com>

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: Jeffrey Herman <jeffreyh@hawaii.edu>
Subject: FS: Globe Scout
Message-ID: <Pine.GS0.3.95q.970424064950.29080D-100000@uhunix3>

Frank KH6CD0 has a Globe Scout 65A (160m-10m) that he'd like to sell for \$50. Write to Frank at drfyoung@dps.net. It's missing the accessory socket in the rear (I believe that was for an external VF0); the wires going to it were cut and taped together.

This is an estate item.

73,
Jeff KH2PZ / KH6

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: jkh@lexis-nexis.com (John Heck)
Subject: FS: Knight 83 YX 142 Tube Tester
Message-ID: <9704241251.AA01234@beans.lexis-nexis.com>

Folks,
I have a like new Knight 83 YX 142 tube tester. This would be ideal for someone trying to maintain or restore vintage radios as it will test 4, 5, 6, and 7 pin types as well as octal, loctal, and 9 pin miniature tubes. It seems to date from the mid fifties but looks like it was hardly ever used. I have the original manual and it was in the original box but it was a little ratty from storage and I pitched it. It has a roll chart. It has the facility to have new tubes added because there is a switch for each pin so that new pinouts can be doped out for the chart. There is a blank socket so that a new socket type may be added if desired. It covers filament voltages from 0.63 to 110v in 16 steps. It is an emissions tester, and also tests for leakage, shorts, gas, and some special tests for certain tubes. I have tested a number of tubes on it and it compares well with my other testers.

I will sell this very clean tube tester for \$50 plus shipping in the cont. U.S. Please respond via private email. My address is in my sig. Thanks.

From boatanchors@sco.theporch.com Thu Apr 24 07:14:40 1997
From: william wiggins <bwiggg@worldnet.att.net>
Subject: FS:Siltronix 1011c Manual & more
Message-ID: <19970424033527.AAA28006@LOCALNAME>

I found the following while doing some clean up.

1	Siltronix 1011C manual Perfect condition	\$15
1	RCA RC-17 Tube manual Fair condition	\$10
1	1963 ARRL Handbook Fair condition	\$12

Prices include shipping via USPS

thanks & 73's
Billy

Bwigg@worldnet.att.net

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: "Rhett T. George" <rtg@ee.duke.edu>
Subject: Goofy
Message-ID: <199704241707.NAA10669@washington.ee.duke.edu>

- Greetings -

Sorry about the heavy generator posting. It belongs to Electric
Vehicle Digest.

73 Rhett - KE4HIH

From boatanchors@sco.theporch.com Thu Apr 24 07:14:40 1997
From: dr.electron@juno.com
Subject: Re: Grounding
Message-ID: <19970424.003916.16230.1.dr.electron@juno.com>

John ;
The extra ground is OK, if it's at least 6' separated from a
" made electrode " (rod). This would enhance the service grounding
effectiveness. But the bottom line is that the hot, neutral, and
grounding conductors must run together, back to the panel, to
ensure fast, consistent operation of the " overcurrent protective device
" i.e. breaker or fuse.
Minimum length on a copper pipe, used as such, would be 20' (in the
trench, at the nominal depth).
The conductor from the service ground is also specified, # 8 awg cu
on 100 Amp residential, # 6 awg cu on 200 A.
Clamping hardware also is spelled out. Pass on ANY die cast swill,
and go with solid bronze !

Proper grounding is a study unto itself. The NEC code book is like
the Bible, when it comes to deriving its true meaning.

My former engineering supervisor was a plant engineer at Mesa
Verde nuke plant in AZ. I still call him when a theory / real world
requirement throws me !

The " American Electrician's Handbook " covers it all in detail, but it's a big, heavy, expensive tome from McGraw - Hill. You could contact two free trade publications, EC &M , and " Electrical Contractor ", and tell them you are a consultant, specifier, etc. to receive free subs. But you also need lots of free time to read it all !

I'll check the above sources for possible URL info.

73's, "doc"

#

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997
From: Bill Coleman N2BC <n2bc@ibm.net>
Subject: Grounding - me too (sort of)
Message-ID: <BMSMTP8618536216wf2awdc@pop03.ny.us.ibm.net>

Lots of great stuff on this thread. This is a minor detour...

General consensus is braid is OK/good where you need some flexibility. Now, that mile or so of used RG8 we all have is a likely source, but here's another idea for multi-conductor stuff where you want/need flexibility.

I visited a local welding supply house a few times... keeping my eyes on the welding cable that remained on the 500' spools. Picked up a few random lengths (<10') for practically nothing.

Makes great pigtails for that copper buss we all have!

Enjoy! 73, Bill

Bill Coleman (N2BC)

Email: n2bc@ibm.net

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997
From: dr.electron@juno.com
Subject: Re: Grounding - me too (sort of)
Message-ID: <19970423.163212.10182.21.dr.electron@juno.com>

>I visited a local welding supply house a few times... keeping my eyes

>on the
>welding cable that remained on the 500' spools. Picked up a few random
>lengths
>(<10') for practically nothing.
>
>Makes great pigtails for that copper buss we all have!

I've installed lots of computer rooms (mainframes, military style),
and telemetry sites, rf equipment, etc., " technical power " , blah blah
blah.....

The ITT / Federal Electric @ " Vandyland " engineering spec. was always #
2/0 Cu welding cable, from the isolated rack frames'
ground busbar to the rooms' " technical ground bus ".
Works just fine, too, BTW.

73's

Rich P.

#

From boatanchors@sco.theporch.com Thu Apr 24 07:14:40 1997
From: "Roberta J. Barmore" <rbarmore@indy.net>
Subject: Grounding, braid...
Message-ID: <Pine.SUN.3.91.970423211125.25973B-100000@indy3>

Hi!

H'mmm, a lot of talk pro and con here. A few thoughts:

A *short* piece of heavy braid to tie gear to the ground buss beats
nothing, and is better than a long run of most anything.

No ground scheme offers perfect lightning protection. You does yer
best and you takes yer chances! I would advise *never* leaving antennas
connected to the gear when not in use--at present I use some short heavy
clip leads to connect the longwire and both sides of the doublet to
ground, but I'm working on several *huge* SPDT knife switches. Even at
that, all I'm doing is weighting the dice--odds break the wrong way, the
gear could still get zapped.

That said, let me remind folks I came up through the ranks--I am *not*
a degreed engineer, I use stone-simple models and I trust results more
than numbers that work out pretty. I won't use braid because I've seen it
get blown up by lightning hits, but the worst I've seen happen to strap
was that it got welded at the joints; it's that simple.

(If pressed, I will admit to the belief that the universe is only
accurate to three digits anyhow--Enrico Fermi got by just fine only
working most things out to within one order of magnitude, after all, and
he was no slouch!)

General Notions:

Welding cable looks good to me for bonding tie-ins and jumpers between racks or big transmitters and the main ground buss--it's nice and fat, they use quality copper in what I've seen, and the large number of strands means there's a lot of middlin' smooth surface area compared to something like 500MCM mains wire. If the price is right (free scraps!), it would be a decent option, especially if you'd have to buy flashing copper or whatever.

For a main ground buss, the ARRL's suggested 1/2" or heavier copper pipe is an affordable, easy-to-find method. Exotica like the 1/4"x4" duct buss the TV station used on our new rig/building remodel is nice--if you don't mind that second mortgage! (But folks in big cites might be able to pick up similar stuff cheap or for the lifting when big, old buildings are torn down--busbar's fairly common in older electrical panels!)

Stick to a "tree" or "star" architecture for the ground runs--make the actual ground point in a *direct* run from the likely source(s) of lightning hits, without passing *through* any equipment. (For instance, it might be attractive to hook a desktop ground buss to the top end of a buss in a shortish rack, then pick up the bottom of the rack buss and go on to ground--but it would be better to tie both the desk buss and rack buss to *one* point and go from there to the ground point).

Several people have mentioned cad-welding ground conductors together, to ground rods, etc. It's a nice way to go, though rather tricky--what I've seen uses graphite forms and Special Magic Welding Powder: clamp the forms around the wires, pour in the the Magic Sand, light it and stand back for a few seconds of thermite! *Very* tricky biz in a wood-frame building unless you know how. For most of us, good mechanical connections starting with *clean* surfaces will do FB: on small wire, crimp lugs on *hard,* yank on 'em to make sure, and give thought to some solder anyhow. Bigger stuff, use bolts with hex heads and put a *wrench* on them. (Or use what electricians call "mechanical lugs," which have a hefty Allen-head clamp bolt). The trick in both cases is to get the joint gas-tight so resistance will stay low and you don't accomplish that by hoping.

Must git--a long day today and more to come, about five projects at work all hitting the wire (that would be the wires in the grille around the fan blades!) at the same time.

Snuck in building a table-top open-frame *oak* rack in one of 'em--it'll hold part of the TV station's remote-control gear over a computer monitor! Shades of the 1930s, but it looks good (all hidden dowel-jointed together and finished with linseed oil and wax) and the fancy wood matches the Master Control cabinetry, so the brass might find it retro but they can't gripe too much! (It's really pretty easy. Highly recommended for those amongst us who have late-20s through '30s setups and need a small rack!)

73,

--Bobbi

From boatanchors@sco.theporch.com Thu Apr 24 07:14:40 1997
From: dr.electron@juno.com
Subject: Re: Grounding, braid...cad - weld.
Message-ID: <19970424.003916.16230.4.dr.electron@juno.com>

There's also silver epoxy (\$\$\$) for bolted connections.
73's, "doc"
#

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997
From: dr.electron@juno.com
Subject: Re: Grounding..(braid, stranded)
Message-ID: <19970423.163212.10182.22.dr.electron@juno.com>

Greetings;
Every lightning supression job I've done or examined had specified or
utilized..... special braided cu conductors supplied with the
equipment, i.e. Steeples, " rods " etc., or stranded, heavy cu
conductors.
An overlooked aspect here is the gradual dissipation of static
charges to ground, so as to lessen the likelihood of a lightning strike.
Once that does occur, all hell breaks loose, and all bets are off.
Regards,
Rich P.
#

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997
From: "Broline, Nick (Tracor MS Mail)" <ENB@eng1.tracor.com>
Subject: Grounding...one more time
Message-ID: <c=US%a=_%p=Tracor%l=TRACOR/AUSTIN/000477D6@ems1.tracor.com>

The care and feeding of BA's in the presence of lightning is a universal
problem, but I think it is unfair for users to believe that simple
grounding renders their BA's safe from damage. It is not so much what
grounding conductor you use, but how you treat the equipment on the end
of that conductor.

A couple of notes regarding the use of braid in grounding application.
This has application particularly to tower installation, but applies to
all BA applications having antennas:

Braid, by itself, is a pretty good grounding medium if it does not
become oxidized. The descent model for the corroded braid is a number

of parallel inductors, but all of these inductors are pretty well coupled together by proximity. The net inductance is not much more or less than a single wire (as a first approximation). (Here, consider the inductance of a coil wound with Litz wire vs. one wound with magnet wire of the same aggregate size...the same.) However, during a lightning strike the magnetic fields tend to cause forces which separate the individual conductors. As the braid has no cover to constrain the forces, the braid simply "blows up" creating copper "paint brushes" where the braid severs. RG-8 type coax does not have sufficient strength to constrain the forces, and will usually "blow out" the braid every two to four feet along the conductor path.

Any stranded conductor will do the same thing. If stranded wire is used, leave the insulation on it, and keep the water out to reduce corrosion.

Solid conductor is still best, and the flashing offers the greatest surface area. The spectral content of lightning is pretty low...bulk of energy is below 500 KHz., but there is high freq energy also. It takes quite a conductor to convey 10's of kiloamps elegantly, even at d.c. (Witness good commercial tower installations).

INDUCTANCE is the downfall of grounding. There is scarcely little difference between the inductance of small and reasonably large conductors, the only way to achieve lower voltage rises between equipment and earth is multiple, uncoupled lines, which will reduce inductance by $1/N$. Then, with a GREAT ground, and MANY paths, the voltage rise between the equipment and ground may be limited to 50 kv peak for "great" physical geometry, and maybe 500kv for a "pretty good" geometry. That is why the concept of maintaining all your equipment at the SAME POTENTIAL is critical. If the power line and antennas and accessories all come up to the same voltage at the same time, the "bird on a wire" concept is invoked (elevated above ground, but no current is flowing) , and the equipment is safe (provided it doesn't arc over to something in the near field that is not included on the common bus). Insure that the BA is NOT in the path between the item struck and the ground path.

The problem that most of us have is that we can't fully protect our shack and BA's from the evil humors of lightning by following a rigorous plan and installation, but since it is difficult to convey that same protection to the whole residence, we meet the reality of saving the BA's and burning down the rest of the house! TV and radio stations have dedicated installations, and so don't have this "distributed" problem. The message: ground, but depend on uni-potential protection within the shack

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: don merz <71333.144@CompuServe.COM>
Subject: Handbooks, HR, 73 mags FS
Message-ID: <970424120907_71333.144_DHB31-2@CompuServe.COM>

Vinatge Amateur Literature For Sale

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.
412-234-8819 (weekdays, EST or leave a message anytime).
71333.144@compuserve.com

ARRL Handbooks. This group in very good condition.

1950: \$25
1952: \$25
1953: \$25
1955: \$25
1956: \$25
1958: \$25
1960: \$25
1964: \$20
1965: \$20
1966: \$20
1968: \$20

More ARRL Handbooks. This group has loose and/or worn covers.

1941, binding edge worn, cover loose: \$15
1943, binding edge worn: \$25
1944, cover worn: \$20
1948, cover loose and written on: \$15

Ham Radio Magazine. Excellent condition. Volume 1 Number 1 through
Volume 8 inclusive. \$160 or make offer on individual years.

73 Magazine. Excellent condition. Volume 1 Number 1 through 1975
inclusive. 4 1970's issues are missing. \$375 or make offer on
individual years.

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: John <johnmb@mindspring.com>
Subject: Heathkit paint! (Forwarded msg.)
Message-ID: <199704241549.LAA15400@brickbat9.mindspring.com>

I received this in another list, and have forwarded it
here FYI with the permission of the author. I have

no connection to the individual selling the paint...but I
might soon be a customer!

Best 73

/John

>From: Dave Hockaday <wb4iuy@ipass.net>

>Subject: Heathkit paint!

>

>I received a package via UPS yesterday that made a rattling noise when it
>was shaken...

>I wanted to share a note about it's contents with the group, for what it's
>worth.

>

>A few of us collect older and vintage amateur radio gear. My favorite is
>Heathkit, but I have equipment manufactured by Hallicrafters, National,
>Johnson, and Eico. Most of the parts used in this gear are still available
>through various sources to repair and maintain this stuff. However, when it
>comes to the appearance of the gear, things get a little tougher.

>

>Often, we look for radio equipment that hasn't been "chopped" or "hacked"
>too much. Holes drilled in the faceplates really shoot a deal for most rigs
>right down the drain. We usually look for gear with the faceplates in the
>best possible condition.

>

>The cabinets of said gear are a little easier to repair dents and holes in,
>but the color matching of the paint is another big problem. It seems that
>the colors we find are always off a shade or two... not quite what we wanted.

>

>I was recently forwarded the phone # of an amateur who mixes custom paint
>specifically for vintage ham gear. He packages it in spray cans, as well as
>quarts and gallons for those with their spray gun/compressors. I called this
>fellow, whose name is Robert, and ordered a few spray cans of paint for the
>Heathkit SB-series cabinets.

>

>While on the phone with Robert, I learned that he has paint for practically
>every model of vintage ham gear manufactured. He said that, if he didn't
>have it, he would custom blend it and add it to his inventory. He seems to
>have access to equipment (he's a collector himself!) information adequate to
>allow him to mix this stuff with unbelievable accuracy. He also has the
>texture spray used by many manufacturers below the color coat. By the way,
>he manufactures replacement clocks for all Hammarlund equipment in both 12
>and 24 hour formats.

>

>I just received my heathkit paint. I'm thrilled! It is a perfect match, and
>easy to handle in his custom filled spray cans. It doesn't get much easier

>than this for collectors!

>

>If you're interested, Robert's phone # is 1-(800)-372-4287. It took about 4
>working days for UPS ground delivery. When you call him, be sure to ask
>about his other items. And, if you think about it, get his web site URL and
>send it to me... I forgot to do it!

>

>

>

>

>73 de Dave Hockaday WB4IUY

>Youngsville, NC

>wb4iuy@ipass.net

Wanted: Rack cabinet for Globe King 500C
 Heath A8/A9 Audio Amp
 National NC-46 Rx.

johnmb@mindspring.com

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: Jake Hellbach <kk5hy@accesscom.net>
Subject: Re: Heathkit paint! (Forwarded msg.)
Message-ID: <2.2.16.19970424170103.0f07b694@accesscom.net>

John and everyone,

I called Robert and ordered a quart of paint for a Ranger restoration. He told me its the same formula for the original Johnsons.

He is a very interesting person to talk to, he gave me some very good painting tips!

He dosen't have a web site yet but his email address is: rehummel@aol.com
800 number is below in the included portion of the message.

His prices are:

Spray can: 14.95 3.00 shipping

Pint 12.95 3.00 shipping

Quart 19.95 6.00 shipping

touch up bottle 6.00

Cans of paint are thinned and ready for spraying.

He said he will email his entire catalog to me, I will incorporate it in my web site.

73' Jake KK5HY

At 03:52 PM 4/24/97 GMT, you wrote:

SNIP>>>>>>>>>>

>>While on the phone with Robert, I learned that he has paint for practically
>>every model of vintage ham gear manufactured. He said that, if he didn't
>>have it, he would custom blend it and add it to his inventory. He seems to
>>have access to equipment (he's a collector himself!) information adequate to
>>allow him to mix this stuff with unbelievable accuracy. He also has the
>>texture spray used by many manufacturers below the color coat. By the way,
>>he manufactures replacement clocks for all Hammarlund equipment in both 12
>>and 24 hour formats.

>>

>>I just received my heathkit paint. I'm thrilled! It is a perfect match, and
>>easy to handle in his custom filled spray cans. It doesn't get much easier
>>than this for collectors!

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>>If you're interested, Robert's phone # is 1-(800)-372-4287. It took about 4
>>working days for UPS ground delivery. When you call him, be sure to ask
>>about his other items. And, if you think about it, get his web site URL and
>>send it to me... I forgot to do it!

>>

>

-----Dedicated to the care and feeding of Vintage Radio-----

Email via: kk5hy@accesscom.net

-----A.M.I. #832-----

<http://www.accesscom.net/~kk5hy>

Updated with Boatanchor links!!!!

From boatanchors@sco.theporch.com Thu Apr 24 07:14:40 1997

From: Joe Eide <jeide@eau.net>

Subject: HELP!

Message-ID: <335EE951.71F0@eau.net>

Hi Gang,

Does anyone have an SX-42 PARTS RIG?????

Tonight I'm upset! I had an accident. I broke the small shaft
that the wing knob is connected to in the center of the tuning knobs.
Please don't ask how I could have been so careless. The shaft broke in a
narrowed area that accepts a snap ring.

Can anyone please help me? If you have an SX-42 parts rig, I would be glad to buy the whole thing or I can explain how to remove the shaft.

Thank you for any help I receive. :(

Joe Eide - KB9R jeide@eau.net
715-834-4582

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997
From: "Cathy Elizabeth D'Entremont" <cdent@tenet.edu>
Subject: It was me
Message-ID: <Pine.OSF.3.91.970423120151.17608A-100000@francis.tenet.edu>

Since Phil Mills said I could tell the tale myself I'll just say that I <thought> I had made the "deal of the day" at Belton until I read Mike Sanders' post re: the TR-4CW/rit <WITH> AC-4/RV-4 AND MS-4 for only about 60% more than I paid for the TR-4CW/rit alone. Still not too displeased with the deal overall, even though it was missing one (small) knob and had three others (small) that were "incorrect". Guess I'll reserve further judgement until I have a chance to dig into it further and see how much more it's gonna require to get it running "up to snuff".

What I <COULD> use some help with is the docs/schematic. This is my first TR- xxx and don't know how materially the CW/rit may differ from the other TR's in terms of portions of the manual that pertain to the CW filter function and RIT operation. Phil has a photo-copy of a TR-4C that I could probably finagle a copy of, but if anyone has the pages for the CW/rit sections of that that I could supplement that with as well as the schematic for the TR-4CW/rit, I'd be appreciative. Standard re-imbursements, unless I've got something better to offer in trade that you might be interested in. (Anyone who needed 1 or 3 V TV tubes missed out, though...I gave away three cardboard boxes full in Belton.)

73, Gerald W5BA
cdent@tenet.edu

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: Lenox Carruth <carruth@swbell.net>
Subject: JEE-8-B
Message-ID: <335F7BD6.7E45@swbell.net>

I have a field telephone in a leather case which is identical to the WW-II EE-8 except for some slight differences in the handset. It is marked JEE-8-B. Various markings indicate that it was made by Oki in Japan although all of the markings are in English just like the American

EE-8. Date codes on the transmitter and receiver elements match and are 12-51.

Does anyone know anything about this? Why was it made? For whom?

Any help will be appreciated. This is the only one that I have ever seen.

--

Lenox

-
Lenox Carruth, Jr. Dallas, Texas
Carruth@swbell.net
Collector of WW-II Communications Equipment and Memorabilia

Wanted: Excellent TCS-14 Transmitter and Mounting Plate, TBX, LS-3

--

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: Al Klase <skywaves@bw.webex.net>
Subject: Re: JEE-8-B
Message-ID: <335FC918.C42@webex.net>

Lenox Carruth wrote:

>
> I have a field telephone in a leather case which is identical to the
> WW-II EE-8 except for some slight differences in the handset. It is
> marked JEE-8-B. Various markings indicate that it was made by Oki in
> Japan although all of the markings are in English just like the American
> EE-8. Date codes on the transmitter and receiver elements match and are
> 12-51.

>
Part of the puzzle:

Oki Denki (Oki Electric) bought patents from A.G. Bell in 1881 and has manufactured a lot of telephone stuff ever since. Doesn't surprise me that they made field phones, probably for the self defence force.

--

Al Klase - N3FRQ
skywaves@bw.webex.net
Flemington, NJ

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997
From: don merz <71333.144@CompuServe.COM>
Subject: Knob Help Needed
Message-ID: <970423213700_71333.144_DHB63-1@CompuServe.COM>

A fellow named Jim Garrett is looking for the 2 large knobs for the National NC-183 and 6 of the small black bakelite knobs for the Hammarlund Super Pros in the 100 and 200 series. If you can help at all, please e-mail him at 102173.275@compuserve.com or phone 281-575-4972.

73, Don

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997
From: "Edward J. Zeranski" <ejz@nosc.mil>
Subject: MilRadio Program
Message-ID: <2.2.32.19970423202853.00fe4950@marlin.nosc.mil>

This is from a fax I received from Henry Engstrom. Henry put the program together for the May 3 meet at San Luis Obispo CA.

0630-0830 Swapmeet on the Camp Sanluis Obispo NCO club Grounds

0830-0900 Secure from swapmeet head for NCO Club

0900-0910 Welcome and intro

0910-0945 Presentation on RU/GF aircraft set by Hank Brown

0945-1015 Restoration roundtable

1015-1030 break

1030-1100 presentation on SCR-511 "Pogo-Stick" or "Horsey-Talkie" by Tom Horsfall

1100-1145 BC-348, history, development and use by Ken Corwin.

1145-1315 lunch

1315-1345 slide presentation on WW II aircraft radio equipment. Slides are of Mike Hanz' WW II sets, see April ER page 26.

1345-1400 short demo of cable lacing

1400-1445 OSS training films on WW II "suitcase" radios.

1445-1510 Business meeting, discuss meeting in '98

1510-1545 Break

1545-1615 "Wants and Haves" Read your want or have list if you couldn't drag the stuff to SLO

1615-1630 Signal Corps film on "FITCAL" inspection routine.

1630-?? Closing remarks by next years coordinators, discuss group direction and activity for coming year etc.

Thats what Henry sent, there will also be equipment displays.

Ed Zeranski : ejz@marlin.nosc.mil, work / ezeran@cris.com, home
Wooden Boats, Tube Receivers, Rusty Old Trucks, The Good Stuff!
This is a private opinion or statement and is nobody's fault but mine.
No person, employer, or govt. should try to take credit for it!

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: Clark Thompson <cmthomp1@facstaff.wisc.edu>
Subject: More on the 75A4 filter problem
Message-ID: <335F831D.5482@facstaff.wisc.edu>

Hi all,

Well, despite high hopes the application of DeOxit to pins and socket had no effect on the excessive signal loss through the F455J05. I opened up my A4 and it isn't going to be easy to replace those 100 pF caps on either side of the filter. I still don't know if they're the problem, but I don't know what else to try.

I did have one unpleasant thought: The 3.1 kHz filter in the other 75A4, the one in which the 0.5 filter seems to function properly, could also be excessively lossy thus making the CW filter appear OK! I'll test this theory out tonight by swapping filters in the A4's.

On the bright side, I did some A/B comparisons with other CW receivers in my shack and even with the "bad" filter, the A4 held it's own. I think I'm going to telephone the seller of the filter today to see what

he has to say.

Cheers,

Clark, KD9QI

cmthomp1@facstaff.wisc.edu

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997

From: w2ec@VNET.IBM.COM

Subject: Needed - part for AN/URC-35 - RT-618B/AM-3007

Message-ID: <199704241301.NAA24942@sco.theporch.com>

This is NOT the Collins 618T, but an RT-618 transceiver. While mostly solid state, it does use several tubes in the transceiver (the RT-618B) and it's companion 100w amplifier (AM-3007). The two units weigh 75 pounds each so the system is definitely a "boatanchor".

I am looking for the frequency standard module part number FE-2040B. This is the 5mc reference oscillator that generates a 10mc 5mc 1mc and 500kc output signal for control of the rig. I haven't even powered the rig up yet, but I'm anticipating trouble with this module due to the large red tag that has been stuck on the module that says "Not shipboard repairable, return to depot for service". While I intend to see if I can troubleshoot the problem myself, I figured I'd better start beating the bushes for a replacement module, "just in case".

For those interested, the RT-618B looks almost identical to the R-1051B receiver, same frequency control knobs etc. The RT-618B puts out .25w which is amplified by the companion AM-3007 to provide 100w CW/USB/LSB/FSK or 25w AM. Power supply (built in) is 120vac 48-600c or 24VDC (switch selectable).

73, Ray W2EC w2ec@vnet.ibm.com

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997

From: flegler@pilot.msu.edu (Stanley L. Flegler)

Subject: RE: Needed-part for AN-URC-35

Message-ID: <199704241410.KAA18693@pilot08.cl.msu.edu>

Ray, look on page 35 of Fair Radio catalog WS-96 and you will find replacement modules listed for \$20. However, don't let the red tag worry you, a large percentage of these modules have the tag even though they are fine. In general these modules either work or don't work. One common problem with them is that they won't start. If they don't start, I'd suggest you just buy a replacement. Fair Radio has xerox copies of the

manual for the URC-35. The manual describes the repair procedure for the frequency standard module. The problem is that there were numerous upgrades of these modules and what you have may not look like what the manual describes. However, all of the modules are interchangeable. 73 Stan K8RPA, flegler@pilot.msu.edu

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: w2ec@VNET.IBM.COM
Subject: RE: Needed-part for AN-URC-35
Message-ID: <199704241440.0AA25960@sco.theporch.com>

Many thanks to all that responded, I should have remembered to look at the Fair catalog. Yes, Fair has what I need and I have one ordered. I figure I'm going to need it because it looks like an ET took a 200 watt iron to the PCB board to replace a few components and decided it wasn't ever gonna work again.

73, Ray W2EC

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997
From: "D.D. Todd" <dube3@n-link.com>
Subject: Old calls
Message-ID: <335EDDB5.42C0@n-link.com>

There have been several references to old WPE calls. It's interesting that people remember those, but I guess that's what call signs are for. On that subject, how many were CBers before the 11 meter band went to the dogs; when there was some courtesy on the band, and people generally tried to follow the rules....including the proper use of call signs? Do you remember yours? Mine was KRH-3013. It still is, for that matter, since I understand that those call signs never expired.

73,

--

D.D.Todd

K4DWW

dube3@n-link.com

Can there be greater blindness than to impute the crime to the dagger
and not to the hand that wields it?

-- Antonio Lopez de Santa Anna

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997
From: Keith Heitzmann <kk5fe@communique.net>
Subject: Re: Old calls
Message-ID: <2.2.16.19970423212625.366f9bb2@mail.communique.net>

At 02:12 AM 4/24/97 GMT, D. D. Todd K4DWW wrote:

>There have been several references to old WPE calls. It's interesting that people
>remember those, but I guess that's what call signs are for. On that subject, how
>many were CBers before the 11 meter band went to the dogs; when there was some
>courtesy on the band, and people generally tried to follow the rules....including
>the proper use of call signs? Do you remember yours? Mine was KRH-3013. It
>still is, for that matter, since I understand that those call signs never expired.
>

Mine was KQV 9485
Hey..... it was AM after all

Later,
Keith KK5FE

-----Keeper of all that I buy-----
-----AMI# 837-----
-----Visit my vintage Radio Web Site-----
-----<http://www.communique.net/~kk5fe>-----

From boatanchors@sco.theporch.com Thu Apr 24 07:14:40 1997
From: k7sz@juno.com (Richard H. Arland)
Subject: Re: Old calls
Message-ID: <19970424.030028.6975.2.k7sz@juno.com>

Nostalgia strikes again!

For a while I was 14Q0387, unit 2 . This was Dave Walker's CB callsign and he lived around Potlatch, ID. Worked summers on his ranch. Hauled a lot of hay to Lewiston, ID down that switch-back highway that has been replaced by a 4 - lane super road a few years back.

After that, my dad, who managed the Arland Motor Co in Palouse, WA (this business was started by my Grandfather, George Arland, and when it closed in 1972 was the oldest International Harvester dealership west of the Mississippi River) decided to handle Raytheon CBs, so he got a callsign (KFJ-0879) for the store...then I became KFJ-0879 unit 1.

After I went to college I ended up with KLD-1928!

My good friend, and radio buddy, Bill McCrory, WD4HSE, (he got that call with the US Secret Service when he was in Virginia) and his parents Dick (WB7NLR) and Thelma, were KFJ-0945. When I went out to see them in Idaho last summer at the lake, they still use that callsign whenever they use the CB rig....just goes to show, some of the OTs on CB aren't such bad dudes (and dudettes) after all.

Thanks for the trip down memory lane.....Now if I can get an old RayTel TWR-4 I'll be much better (that last was thrown in for Jack's sake...lest I incur his wrath for not speaking BAs on this list!)

73 rich K7SZ

From boatanchors@sco.theporch.com Thu Apr 24 07:14:40 1997
From: kb5wwwo@juno.com (George Folse)
Subject: Re Old Calls
Message-ID: <19970423.211849.5071.0.kb5wwwo@juno.com>

All,

I got mine in 1969 My call was and still is I think KKH 0288

George KB5WWO

From boatanchors@sco.theporch.com Thu Apr 24 07:14:40 1997
From: w9qje@juno.com (Snaproll Stan)
Subject: Re: Old calls
Message-ID: <19970423.234237.5263.5.w9qje@juno.com>

On Thu, 24 Apr 1997 02:12:28 GMT "D.D. Todd" <dube3@n-link.com> writes:

-- snip --

>the proper use of call signs? Do you remember yours? Mine was
>KRH-3013.

I don't remember what I did last week but I remember the CB call-sign: KGI-4472. Got the license application with my first Heathkit, a walkie-talkie for the CB band.

73 de Stan - W9QJE/WPE5CIA/KGI-4472 (ex WA0HPU, SV0WCC, WA2RKF, WB5LBH)

From boatanchors@sco.theporch.com Thu Apr 24 07:14:40 1997
From: Dick Flanagan <dick@merlin.libelle.com>
Subject: Re: Old calls
Message-ID: <v03102808af84a93fd966@[207.33.105.223]>

At 9:52 PM -0700 4/23/97, Snaproll Stan wrote:

>On Thu, 24 Apr 1997 02:12:28 GMT "D.D. Todd" <dube3@n-link.com> writes:

>Do you remember yours? Mine was KRH-3013.

11 Q 2577

I've always been into old calls. :)

73, Dick W6OLD

--

Dick Flanagan W6OLD CFII Minden, Nevada

Visit <http://wadg.greatbasin.net/siera/>

From boatanchors@sco.theporch.com Thu Apr 24 07:14:40 1997

From: Tom Norris <badger@telalink.net>

Subject: Old calls

Message-ID: <3.0.1.32.19970424070518.00776e5c@telalink.net>

>remember those, but I guess that's what call signs are for. On that subject, how

>many were CBers before the 11 meter band went to the dogs; when there was >courtesy on the band, and people generally tried to follow the rules....including

>the proper use of call signs? Do you remember yours? Mine was KRH-3013. It

Well, I had KAGM-0819, but it was probably issued after the "gone to the dogs" phase of CB - got it in 1976. I did use a tube-type Lafayette station (forget which model....)

Tom Norris KA4RKT

badger@telalink.net Nashville, Tennessee, USA

Eagles may soar free and proud, but weasels
never get sucked into jet engines.

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: w2ec@VNET.IBM.COM
Subject: re: old calls
Message-ID: <199704241229.MAA24645@sco.theporch.com>

20W5298 - 1950's, tube rig about the size of my AT-1 (there, BA relatedness),
can't remember make.

73, Ray W2EC

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
Subject: RE: Old calls
Message-ID: <33162.owen@piper.eeel.nist.gov>

In message Thu, 24 Apr 1997 02:12:45 GMT,
"D.D. Todd" <dube3@n-link.com> writes:

> On that subject, how many were CBers before the 11 meter band went to
> the dogs; when there was some courtesy on the band, and people generally
> tried to follow the rules....including the proper use of call signs? Do
> you remember yours? Mine was KRH-3013.
> D.D.Todd K4DWW

I suspect that many of us had CB a license. I had one of the first 5Q1607.
And we could and did regular work our friends 30 or more miles away. In fact
I know of one schedule from VA to Jacksonville, FL every day for a week. Try
to do that now--the large number of stations on have raised the background
noise so high that even in a rural area if you get 10 miles you're doing
great. Will this be what happens to the HF ham bands if spread spectrum
becomes popular? BTW haven't been on CB for better than 20 years but listen
once in a while until the garbage get to me. Usually about 5 minutes. 73 Jim
K4CGY

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: "William L. Fuqua III" <wlfuqu00@pop.uky.edu>
Subject: Re:Old calls
Message-ID: <199704241316.JAA17703@pop.uky.edu>

Never operated CB. Got my ticket in 62. I was 13 or 14 years old.
And then I remember kids in school that bootlegged on CB operated "SKIP"
which was illegal. And remember you had to be 18 to operate CB then.

73
Bill wa4lav

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: Lenox Carruth <carruth@swbell.net>
Subject: Re: Old calls
Message-ID: <335F6F01.727E@swbell.net>

D.D. Todd wrote:

On that subject, how
> many were CBers before the 11 meter band went to the dogs; when there was some
> courtesy on the band, and people generally tried to follow the
rules....including
> the proper use of call signs? Do you remember yours? Mine was KRH-3013. It
> still is, for that matter, since I understand that those call signs never
expired.

Do you remember when the FCC assigned CB calls that were not even legal
in this country? Mine was 10W4161 - still the only CB call that I have!

--

Lenox

Lenox Carruth, Jr. Dallas, Texas
Carruth@swbell.net
Collector of WW-II Communications Equipment and Memorabilia

Wanted: Excellent TCS-14 Transmitter and Mounting Plate, TBX, LS-3

--

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: launerb@crl.com (William H. Launer)
Subject: Re: Old calls
Message-ID: <v01530500af85397512e4@[192.0.2.1]>

At 9:52 PM -0700 4/23/97, Snaproll Stan wrote:
>On Thu, 24 Apr 1997 02:12:28 GMT "D.D. Todd" <dube3@n-link.com> writes:
>Do you remember yours? Mine was KRH-3013.

Mine was KPH-0070, but I really wasn't James Bond.

Bill wb0cld

Bill Launer
St. Charles, MO
launerb@crl.com
wb0cld@wb0cld.ampr.org [44.46.66.25]
qrp-l #279 qrp arc1 #3551
Grid Square EM48RT

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: tomrice@netcom.com (Tom R. Rice)
Subject: Re: Old calls, indeed
Message-ID: <199704241731.KAA21980@netcom7.netcom.com>

> >Do you remember yours? Mine was KRH-3013.
>
> Mine was KPH-0070, but I really wasn't James Bond.

Well, heavens-to-Betsy, I used a couple of Heathkit
regen handi-talkies to coordinate sports car events
up in Warshington State in the late Fifties. I was
14W2002 then. We also had a couple of Vocaline rigs
up in the CB 450 mc band.

Somehow, CB was more fun then.....

73 de WB6BYH

--
"Start off every day with a smile and get it over with." --W.C.Fields
Tom R. Rice
tomrice@netcom.com
CIS: 71160,1122

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: "David L. Thompson" <thompson@mindspring.com>
Subject: Re: Old calls/ 11 meters
Message-ID: <1.5.4.16.19970424123438.1eff0bb2@pop.mindspring.com>

Gang,

Many of us operated the 11 meter band as a ham band before 11 meter CB
(there was already 470Mhz CB prior to 1957). Thats why so many of the BA's
we love have the 11 meter band.

CQ even ran a save 11 meter contest. History repeated itself when 220 to 222Mhz was taken from us several years ago. We did not populate 11 meters very well, but there was no excuse for 220Mhz except commercial greed.

Be wary, stay active, join the ARRL, and tell your Senators/Representatives you support the amateur radio service.

Dave K4JRB

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: WA6GYD@aol.com
Subject: old CB calls
Message-ID: <970424142733_-1267630548@emout15.mail.aol.com>

Built the little transceiver in rasio news by Don Stoner. Got 12W0930 and found no one to talk to untill a guy in Eden Valley Min showed up one afternoon and almost every afternoon for a while. That was the start of WA6GYD.

Don

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: jvercellino@sprynet.com
Subject: Old CB Calls...
Message-ID: <199704241356.GAA23040@m1.sprynet.com>

I got one for you...18W-7409.

Used a Heathkit "CB-1".

73, John WB90VV WPE9IAN 18W-7409

From boatanchors@sco.theporch.com Thu Apr 24 07:14:40 1997
From: William Donzelli <william@ans.net>
Subject: Re: oops on -906
Message-ID: <199704240253.AA04384@interlock.ans.net>

> The ZB system is still pretty neat, thought... ;-)

Yes it is - a nice system, considering it dates to the late 1930s.

The YE transmitter surely must rank as one of the most interesting and

best looking bits of radio gear to come out of the World War 2 era.

I would kill to have one.

I have manuals for the beast, and might be persuaded to copy bits of it to any interested parties.

William Donzelli
william@ans.net

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997
From: k4pf@juno.com (Edward J. Knobloch)
Subject: Re: Pesky KWS-1 Problem
Message-ID: <19970423.142521.7767.1.K4PF@juno.com>

> Gary K8BKB franklin@net-link.net reported a fluctuating rf
> signal with a Collins KWS-1 transmitter. It appears
> on bands 40 thru 10, therefore Gary thinks it is a fault
> in the first mixer, which is inactive on 80m.

I think the problem is a parasitic in the variable I.F. amplifier.
When you switch to 80m, there is a different load
on V203, which stops its oscillations in your KWS-1.
I had a parasitic oscillation in my KWS-1 variable I.F.,
which first appeared after doing an alignment.
It was cured by adding an 8.2K resistor across L233,
the plate choke for V203 (across the coil, not to ground).
I also added a 100 Ohm resistor in series with the control grid
for V203, which acts as a parasitic choke.

In doing the alignment of the transmitter, I also found
that neutralization capacitor C322 was at minimum
capacity. I then removed the fixed capacitor across it,
C268, so I could get a better null (80m driver grid
to plate neut., figure 4-11). This may not be necessary
in your rig.

73,

Ed Knobloch k4pf@juno.com

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997
From: bdhall@ghg.net (Benjamin D. Hall)
Subject: R-390 Final Engineering Report Update, or Ben pushes a large
Message-ID: <3.0.1.32.19970423180243.006d2ee8@mailman.ghgcorp.com>

Greetings Fellow Anchorites.

About four months ago, I offered to make copies of the Collins's "FINAL ENGINEERING REPORT ON RADIO RECEIVERS R-389/URR and R-390/URR."

Quickly, it grew out of hand - I had envisioned ten people wanting them, and ended up with about 90 people wanting a copy. Faced with the situation, I came up with a tag team copying system, where I'd send 25 people a copy and then they would make two copies and send them along to others that needed them. Well, it was a good theory.

I figured 25 copies would be no problem with the copiers at work - wrong. One thing about the government (NASA) - when it can prolong buying a new copier by applying a band-aid, it will do so, even if the copiers are broken 75% of the time.

Well, no biggie I thought - I'd just take it down to Office Depot and get them to make me 25 copies. Well, they saw the warning on the front page that states:

This document contains information affecting the national defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C., Sections 793 and 794. The transmission or the revelation of its contents in any manner to an unauthorized person is prohibited by law.

And after a week of discussion with them, they decided that they weren't going to copy it for me, even when I tried to explain to them this report was 44 years old! Well, I decided to try it again at Kinko's, and didn't give them the front page. Hah! I thought. Well, guess what. They saw "SECURITY INFORMATION - RESTRICTED" at the top of the page and told me they were not willing to copy any "corporate confidential" material without written consent of the company. I nearly bust out laughing... I tried a few other copy places, and guess what: same deal.

I really really really want to get this info into the hands of R-390 and 390A owners, because it is fascinating reading - tells all about the design process for the 390. Early on in the project, a list member suggested that I obtain access to a scanner and OCR and scan the pictures for the document in - and distribute it electronically.

At this point, methinks this is the best solution. I've got unlimited Internet access - so hours-n-hours on the modem doesn't phase me. Many hours of scanning doesn't phase me. Uncle Sam just sent me my tax return, so I am in a position where I could to buy a scanner. But, I know nothing about them!

Are there any OCR/Scanner gurus out there that could nudge me ***BY PRIVATE E-MAIL*** in the right direction? I'd appreciate that highly.

Thanks and 73,
Ben

Benjamin D. Hall, junque collector extraordinaire.
Located in Houston, Texas.
e-mail: BDHall@ghg.net
On the web at <http://www.ghgcorp.com/bdhall>

From boatanchors@sco.theporch.com Thu Apr 24 07:14:40 1997
From: jackiv@juno.com (JOHN M IVERSON)
Subject: Re: R-390 Final Engineering Report Update, or Ben pushes a large
Message-ID: <19970424.031822.12606.1.jackiv@juno.com>

On Wed, 23 Apr 1997 23:02:52 GMT bdhall@ghg.net (Benjamin D. Hall)
writes:
>Greetings Fellow Anchorites.
>
>About four months ago, I offered to make copies of the Collins's
>"FINAL
>ENGINEERING REPORT ON RADIO RECEIVERS R-389/URR and R-390/URR."
>
>Quickly, it grew out of hand - I had envisioned ten people wanting
>them,
>and ended up with about 90 people wanting a copy. Faced with the
>situation, I came up with a tag team copying system, where I'd send 25
>people a copy and then they would make two copies and send them along
>to
>others that needed them. Well, it was a good theory.
>
>I figured 25 copies would be no problem with the copiers at work -
>wrong.
>One thing about the government (NASA) - when it can prolong buying a
>new
>copier by applying a band-aid, it will do so, even if the copiers are
>broken 75% of the time.
>
>Well, no biggie I thought - I'd just take it down to Office Depot and
>get
>them to make me 25 copies. Well, they saw the warning on the front
>page
>that states:
>
>This document contains information affecting the national defense of

>the
>United States within the meaning of the Espionage Laws, Title 18,
>U.S.C.,
>Sections 793 and 794. The transmission or the revelation of its
>contents
>in any manner to an unauthorized person is prohibited by law.
>
>And after a week of discussion with them, they decided that they
>weren't
>going to copy it for me, even when I tried to explain to them this
>report
>was 44 years old! Well, I decided to try it again at Kinko's, and
>didn't
>give them the front page. Hah! I thought. Well, guess what. They
>saw
>"SECURITY INFORMATION - RESTRICTED" at the top of the page and told me
>they
>were not willing to copy any "corporate confidential" material without
>written consent of the company. I nearly bust out laughing... I
>tried a
>few other copy places, and guess what: same deal.
>
>I really really really want to get this info into the hands of R-390
>and
>390A owners, because it is fascinating reading - tells all about the
>design
>process for the 390. Early on in the project, a list member suggested
>that
>I obtain access to a scanner and OCR and scan the pictures for the
>document
>in - and distribute it electronically.
>
>At this point, methinks this is the best solution. I've got unlimited
>Internet access - so hours-n-hours on the modem doesn't phase me.
>Many
>hours of scanning doesn't phase me. Uncle Sam just sent me my tax
>return,
>so I am in a position where I could to buy a scanner. But, I know
>nothing
>about them!
>
>Are there any OCR/Scanner gurus out there that could nudge me ***BY
>PRIVATE
>E-MAIL*** in the right direction? I'd appreciate that highly.
>
>Thanks and 73,
>Ben
>

>
>---
>Benjamin D. Hall, junque collector extraordinaire.
>Located in Houston, Texas.
>e-mail: BDHall@ghg.net
>On the web at <http://www.ghgcorp.com/bdhall>
>take the stuff to office max, do it your self, remove the warning pages,
it will work, of course you have to do the work.
jacckiv@juno.com

From boatanchors@sco.theporch.com Thu Apr 24 07:14:40 1997
From: Stefan A Schulz <sas1757@tntech.edu>
Subject: R-390A and R-390 IF decks...
Message-ID: <Pine.PMDF.3.95.970424003559.539083969A-1000000@tntech.edu>

Dear 390URRists,

Again I have a curious question. I know that there is a version of the R-390 series that uses R-390 If decks in a R-390A. I no longer own my R-390 manual so I can not do a direct comparison of the multipin connectors. I know that the R-390 has BNC connectors for RF to IF connections, but that does not matter as I have BNC to those little BNC converts. I have thought it would be neat to be able to switch between mechanical filters and "softer" non mech filter deck.

Thanks for humouring me....,

BABABABABABABABABBABABABABABABABABABABABABABABABA
BA BA
BA Stefan Schulz BA
BA Tennessee Technological University BA
BA Cookeville TN 38505-001 BA
BA SAS1757@tntech.edu BA
BA Physical Chemistry BA
BA Student BA
BA and BA
BA BA newbie BA
BA BA
BAB

Interests:
regens, military radio, photography,
and all that other related expensive stuff!

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997
From: provero@connix.com
Subject: Re: R-390A question...
Message-ID: <199704240156.VAA14821@comet.connix.com>

In <335D92FF.52E6@vifp.monash.edu.au>, on 04/23/97 at 04:43 AM,
Morris Odell <morriso@vifp.monash.edu.au> said:

>The short answer is "strong". I find that the level varies from band to
>band and is generally around 30-40 db or more (whatever that means). It
>usually peaks at a different setting of the antenna trimmer control
>than the received antenna signal.

This is with good reason. The calibration signal bypasses the first
(balanced) tuned RF transformer, and is coupled to the first RF amp with
a different value capacitor than the unbalanced antenna input.

Moral of the story: DO NOT TRY TO "ALIGN" THE R-39X (0/1/2) WITH THE
CAL SIGNAL!

P.J. "Josh" Rovero	home:	provero@connix.com
Meteorologist	radio:	KK1D
Oceanographer	work:	rovero@sonalysts.com
Curmudgeon-at-Large	web:	http://www.connix.com/~provero/

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: Sandy W5TVW <ebjr@worldnet.att.net>
Subject: Re: Re Old Calls
Message-ID: <19970424172032.AAA6617@LOCALNAME>

At 03:26 AM 4/24/97 +0000, you wrote:

>All,

> I got mine in 1969 My call was and still is I think KKK 0288

>

>George KB5WWO

>

I remember a call I got for class "B" sets (they had super-regen receivers
and modulated oscillator transmitter....a-la 1930's!)

It was 8A0239. This was right before the days of 27 mhz. CB. It was still

an amateur band then (26.96-27.23 Mhz) It used to open at times before 10 meters opened.

I worked it many times with my present ham call in the "pre-CB" days.

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

Looking for: 860 tubes, WL-460 tubes

Butternut HF2V antenna, G-R test gear.....*

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997

From: "E.Swain/T.Boyd" <lizboy@io.com>

Subject: RME Cabinet

Message-ID: <Pine.BSI.3.96.970423204552.17075A-100000@pentagon.io.com>

I have an RME metal cabinet that perhaps someone needs for a restoration project. The paper tag on the bottom says RME, but it is torn and (of course) the missing portion of the tag would have identified which RME it was. From the illustrations (poor quality) in Moore's second edition, I am guessing it might be from an RME 70 or RME 99.

It is in nice condition -- no warping or dings, but the paint is grungy. Anyone needing it can have it for some modest trade.

Tom Boyd

lizboy@io.com

From boatanchors@sco.theporch.com Thu Apr 24 07:14:40 1997

From: Emil Switzer <eswitzer@mindspring.com>

Subject: Rotator problem

Message-ID: <1.5.4.32.19970424105714.00675f20@pop.mindspring.com>

I am having troubles with a Wilson WR500 rotator. Does anyone have a manual or schematic for the rotator and control box? Will be very happy to pay for copying and mailing costs.

73, Emil

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997

From: WA6GYD@aol.com
Subject: Sig Gen FS
Message-ID: <970423131357_-17356077798@emout01.mail.aol.com>

Simpson Mod 479 sig. gen. This is a very nice old signal generator built by Simpson. I have checked and it is right on as far as freq and my R392 is concerned. Puts out a sig from 3.5 to 250 Mhz. Two large 5" meter like dials on a beautiful shiny black front panel. Large 15" high 18" wide and 7 1/2" deep. Heavy (abt 25lbs) because of brass castings inside for the oscillator. The case shows some rusty spots but can be easily re-painted. The front panel is a 9. For the guy tht likes old test equip for his collection. \$50.00 you ship from 95070

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: "Edward J. Zeranski" <ejz@nosc.mil>
Subject: Solar cap checkers
Message-ID: <2.2.32.19970424141443.00d2a570@marlin.nosc.mil>

Yesterday someone asked for help on a Solar CE condenser checker, sorry, dropped the post. I have the manual. By the way...anybody have a manual for a Cornel-Dublier cap checker to swap sell or copy? Thanks folks!

Ed Zeranski : ejz@marlin.nosc.mil, work / ezeran@cris.com, home
Wooden Boats, Tube Receivers, Rusty Old Trucks, The Good Stuff!
This is a private opinion or statement and is nobody's fault but mine.
No person, employer, or govt. should try to take credit for it!

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: "Rhett T. George" <rtg@ee.duke.edu>
Subject: Sweep needs
Message-ID: <199704241812.0AA11426@washington.ee.duke.edu>

- Greetings -

Low Q circuits such as the amplifier/modulator maybe swept as rapidly as the delay time of the amp permits, if one wants to see how the voice frequencies are treated. Fortunately, 6SN7's and 807's have such little delay time that the instrumentation becomes the limiting element in sweep speed.

As the Q goes up, it takes longer to store energy in the resonant circuit. Hence, sweep generators may have adjustable sweep rates. The crystal

IF filter in the HQ-140-X beside me will not give a true picture of the filter characteristic on a fast sweep.

There is some hope if a storage scope is not around. Keep the shack dark and you may see some residual glow of the line until the generator sweeps again.

73

Rhett - KE4HIH

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: bdhall@ghg.net (Benjamin D. Hall)
Subject: Re: Sweep needs
Message-ID: <3.0.1.32.19970424132811.006b65a0@mailman.ghgcorp.com>

Folks: maybe I'm slow or missing the point, but couldn't you just take your sig gen and counter, set it for IF freq minus 20 kc or so, feed it into the radio, measure the response of the IF on the O-scope past ye old filter, set it for IF minus 19 kc, measure the response, repeating until you are up to IF freq plus 20 kc or so, then draw a graph with these data points?

Or am I missing something? Of course it doesn't yield a pretty picture like a storage scope triggered off the sweep gen, but seems a whole lot simpler albeit more time consuming...

73 y'all,

Ben

Benjamin D. Hall - Junque collector extraordinaire.
Located in Houston Texas.
e-mail: BDHall@ghg.net
web page: <http://www.ghgcorp.com/bdhall>

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: BEN NOCK <106312.1035@compuserve.com>
Subject: re sweep needs for IF watching
Message-ID: <199704241348_MC2-14E2-DFE6@compuserve.com>

>Greg Anders wrote:

>

> I'm wondering if anyone on the list has experience or recommended
> technique for displaying the actual bandpass of a receiver IF using a
scope
> and sweep generator. I'm getting ready to do this on several receivers
and
> would appreciate any hints or references to any known "gotchas". I have

> very accurate technical documentation on what the IFs should look like on
> my AR-88 and would like to get it working to spec.

then Al said...

>

> Most vintage test equipment does a pretty poor job of sweeping an
IF as

>you suggest. The sweep rate needs to be really slow, on the order of
>1Hz, to see the shape of a CW type filter. This means the scope, or

-----me-----

Why ?. The rate at which the osc sweeps across the if has no bearing. It is
the
scope used that must have a fast enough amp so as not to distort the
picture.

I have just designed and built a very simple sweep genny which, when used
with a standard 20MHz scope allows you to see the if passband shape with
ease.

If anyone wants a copy, I'll scan it and send it as an attached file. The
circuit and
text are the subject of an article so would be for personnal use only, in
other
words, I hold copyright until the mag buys it, then they do.

Ben G4BXD
MILITARY WIRELESS IN THE MIDLANDS

From boatanchors@sco.theporch.com Wed Apr 23 21:32:47 1997
From: Mike Sewell <K0CRX@compuserve.com>
Subject: RE: SX122
Message-ID: <199704231903_MC2-14D5-1323@compuserve.com>

I use an SX-122 for my main hf BA receiver (teamed with a DX-100). It's a
very good (IMHO) general coverage receiver, quite stable, and does a pretty
darned good job on SSB, too. I've enjoyed many hours of operation with it.

73, Mike
K 0 Collects Radios eXclusively/WPE0CFK

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: aculbert@pps1-po.phyp.uiowa.edu
Subject: TIME WARP

Message-ID: <199704241342.IAA11527@cc-gate.uiowa.edu>

Fellow BAers,

Last night I had the rare opportunity to more or less step back in time. I was asked to assist in dismantling and removing the estate of a SK. The ham had died many years ago and his widow, who was a double amputee, had evidently left everything in this second floor hamshack "as-was".

It was like stepping back to about 1950. Rig #1 was a WRL Globe King with Meisner Signal Shifter VFO paired with a NC-173T and matching speaker. Rig #2 was a Collins 51J-1 paired with a xtal controlled home brewed AM transmitter.

A 1947 ARRL handbook was on the desk along with a huge ashtray and an array of pipes next to the old D-104. He must have been a phone man, as the only key we found was a battered straight key in one of the desk drawers.

If the antennas had not long since disappeared, it looked as though we could have closed the big open 2 blade knife switch (The BIG switch??) and been on the air.

A neighbor told me that "he used to see him (the ham) up in his station real late at night". I am sure the old home brew rig which was open rack mounted was a real "channel master" and those were the only hours he dared to operate.

My only regret is that I did not have a camera with me, it would have made a great BA snapshot.

Strangely, we did not find any logbooks or QSL cards.

73,

Al, K0AL

PS: To avoid more tears, I won't go into details about the old Ford coupe in the garage with 13,000 actual miles!

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: "Rhett T. George" <rtg@ee.duke.edu>
Subject: Trailer Generator
Message-ID: <199704241618.MAA10146@washington.ee.duke.edu>

- Greetings -

A bit has been written recently on the trailer part of the trailer

generator. There is the two-hitch-point one-wheel trailer with a caster wheel. There is the one-hitch-point two wheel trailer with the wheels (usually) on a rigid axle. Has anyone tried a two-hitch-point two wheel trailer with individually castoring wheels? This should not be a long trailer (really, not a trailer with a large moment arm). That would cause steering instabilities due to the tail wagging the dog. A compensating spring will allow transfer of load from one trailer wheel to the other on uneven roadways to avoid racking of the vehicle-trailer combination. Steering dampers could be added if necessary.

Has anyone seen this used?

Rhett George

From boatanchors@sco.theporch.com Thu Apr 24 13:31:15 1997
From: BEN NOCK <106312.1035@compuserve.com>
Subject: VT tube equiv's, thanks..
Message-ID: <199704241313_MC2-14E0-2FBC@compuserve.com>

A big thanks to the many who sent me the
VT tube equiv's, including the complete list
from Mike, KK6GM.
(sorry Jack !, too many to answer individually)

I'm attending a big VINTAGE WIRELESS show here
at the beginning of May. If anyone has any particular
needs, I'll happily take details and look for you, but can't
guarantee anything of course.

73, Ben G4BXD.